

transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and
processing an operation associated with the first command in a preferred color space according to the behavior of the first command.

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2. The method of claim 1, wherein the preferred color space is determined to minimize color space conversion.
 3. The method of claim 1, wherein the preferred color space is the second color space when data of at least one of input buffers and output buffers is in the second color space.
 4. The method of claim 1, wherein said processing comprises converting data in one input buffer to the preferred color space.
 5. The method of claim 1, wherein when the behavior of the first command is unique, the preferred color space is the first color space.
 6. The method of claim 1, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
 7. The method of claim 6, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the

second command performs the similar operation in the second color space as the first command in the first color space.

8. The method of claim 7, wherein the comparable parameters are compatible with the preferred color space.
9. The method of claim 7, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of the first command is unique.
10. A computer readable medium having stored thereon sequences of instructions which are executable by a digital processing system, and which, when executed by the digital processing system, cause the system to perform a method comprising: retrieving a first command from a script written for a first color space; determining a behavior of the first command, wherein the behavior of the first command is:
unique when the first command operates only in the first color space,
transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and processing an operation associated with the first command according to the behavior of the first command.

11. The computer readable medium of claim 10, wherein a preferred color space is determined to minimize color space conversion in processing the operation associated with the first command.
12. The computer readable medium of claim 10, wherein said processing the operation associated with the first command is in the second color space when data of at least one of input buffers and output buffers is in the second color space.
13. The computer readable medium of claim 10, wherein said processing comprises converting data in one input buffer to a preferred format.
14. The computer readable medium of claim 10, wherein when the behavior of the first command is unique, said processing the operation associated with the first command is in the first color space.
15. The computer readable medium of claim 10, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
16. The computer readable medium of claim 15, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space as the first command in the first color space.

17. The computer readable medium of claim 16, wherein the comparable parameters are compatible with the second color space.
18. The computer readable medium of claim 16, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of first command is unique.
19. A computer system comprising:
a bus;
a data storage device coupled to said bus; and
a processor coupled to said data storage device, said processor operable to receive instructions which, when executed by the processor, cause the processor to perform a method comprising:
retrieving a first command from a script written for a first color space;
determining a behavior of the first command, wherein the behavior of the first command is:
unique when the first command operates only in the first color space,
transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and
processing an operation associated with the first command in a preferred color space according to the behavior of the first command.

20. The computer system of claim 19, wherein the preferred color space is determined to minimize color space conversion.
21. The computer system of claim 19, wherein the preferred color space is the second color space when data of at least one of input buffers and output buffers is in the second color space.
22. The computer system of claim 19, wherein said processing comprises converting data in one input buffer to the preferred color space.
23. The computer system of claim 19, wherein when the behavior of the first command is unique, the preferred color space is the first color space.
24. The computer system of claim 19, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
25. The computer system of claim 24, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space using the comparable parameters as the first command in the first color space.
26. The computer system of claim 25, wherein the comparable parameters are compatible with the preferred color space.

27. The computer system of claim 25, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of the first command is unique.
28. A computer system, comprising:
means for retrieving a first command from a script written for a first color space;
means for determining a behavior of the first command, wherein the behavior of the first command is:
unique when the first command operates only in the first color space,
transparent when the first command generates similar results in the first color space and in a second color space, and
different when the first command generates different results in the first color space and in the second color space; and
means for processing an operation associated with the first command according to the behavior of the first command.
29. The computer system of claim 28, wherein a preferred color space is determined to minimize color space conversion in processing the operation associated with the first command.
30. The computer system of claim 28, wherein the operation associated with the first command is processed in the second color space when data of at least one of input buffers and output buffers is in the second color space.

31. The computer system of claim 28, wherein means for processing comprises means for converting data in one input buffer to a preferred format.
32. The computer system of claim 28, wherein when the behavior of the first command is unique, the operation associated with the first command is processed in the first color space.
33. The computer system of claim 28, wherein when the behavior of the first command is different, the first command is transformed to a second command in the second color space, wherein the second command performs a similar operation in the second color space as the first command in the first color space.
34. The computer system of claim 33, wherein one or more parameters of the first command are transformed to comparable parameters for the second command such that the second command performs the similar operation in the second color space using the comparable parameters as the first command in the first color space.
35. The computer system of claim 34, wherein the comparable parameters are compatible with the second color space.
36. The computer system of claim 34, wherein if the one or more parameters of the first command cannot be transformed to comparable parameters for the second command, the first command is processed as if the behavior of the first command is unique.